

MEMORANDUM**SRT-4J****DATE :** November 14, 2000**SUBJECT:** Review of the revised QAPP for the Pilot Testing at Waukegan Manufactured Gas and Coke Plant site in Waukegan, IL.**FROM:** L. Finkelberg, Chemist
Field Services Section (FSS)**TO:** Kevin Adler, RPM

I have reviewed the revised QAPP for the Pilot Testing at Waukegan Manufactured Gas and Coke Plant site in Waukegan, IL. The subject QAPP was received by FSS on October 18, 2000 (Log-in # 2660).

US EPA RECORDS CENTER REGION 5



399199

All my QAPP comments are addressed , but some SOPs are still need to be revised.

. SOPs deficiencies.

1. SOP for determination of VOA by Method 8260.

Section D (Laboratory Control Sample) lists the spike compounds and recovery limits that for some compounds (Toluene and Chlorobenzene) are very different then required by the project (Table 3.2). Please provide current laboratory spike % recovery to justify the ability of the laboratory to achieve required control limits.

2. SOP for determination of metals by Method 6010B.

The requirement for the ICB and CCB should be revised : No contamination should be found in the blank(s).

3. SOPs for Cyanide distillation and determination.

- a. Please address in SOP that samples should be preserved with NaOH to pH >12.
- b. The SOP WCM-23 was not revised to address Method Detection Limit, working Linear Range, current laboratory Quality Control Requirements (limits) for all internal and external audits.

4. SOP for Ammonia determination .

The current Laboratory control limits (from SOP) are 81-115%. The Table 3.2 of QAPP lists accuracy % Recovery as 38-142. Please confirm the % recovery in QAPP Table with the laboratory information and revise Table 3.2.